

From gsantacana at gmail.com Thu Sep 1 21:38:06 2016
From: gsantacana at gmail.com (Guido Santacana)
Date: Thu, 1 Sep 2016 21:38:06 -0400
Subject: [BoatAnchors] Lafayette HE-30
Message-ID: <CA01yix3G+n8YCB_vbv=jR2FQnqZPkOuFuQvD1KgymKi7uiOHHw@mail.gmail.com>

Just recently I went through my HE-30 and found a couple of things that could be helpful to anyone working on one. My HE-30 audio pot had changed value to the point where it would remain at high resistance when it should be almost zero. After replacing this control and getting the audio gain right, I decided to check the RF Gain pot and found the same problem. Here was the culprit of the lack of sensitivity that I had observed in this receiver. I looked everywhere except the RF gain control. Sometimes one takes for granted this particular part; don't. Just in case someone is scratching his(her) head looking for an elusive lack of sensitivity. One tends to think that these RF pots live forever.

Best 73s

Guido

Guido Santacana KP4FAR

From kb8tad at gmail.com Fri Sep 2 16:16:08 2016
From: kb8tad at gmail.com (Rich Post)
Date: Fri, 2 Sep 2016 16:16:08 -0400
Subject: [BoatAnchors] Lafayette HE-30
In-Reply-To: <CA01yix3G+n8YCB_vbv=jR2FQnqZPkOuFuQvD1KgymKi7uiOHHw@mail.gmail.com>
References: <CA01yix3G+n8YCB_vbv=jR2FQnqZPkOuFuQvD1KgymKi7uiOHHw@mail.gmail.com>
Message-ID: <CAEJr0FsLQkvsp28revR--0rrN1jVZhJFvdt+tffdkzZwuz0sYA@mail.gmail.com>

Hi Guido,

I have found that the plastic inside the Japanese pots of that era can easily be destroyed by most cleaning-lubricating sprays leading to one cause of the problem you have described. No, don't ask me how I found out.

Rich KB8TAD

On Thu, Sep 1, 2016 at 9:38 PM, Guido Santacana via BoatAnchors <boatanchors at theporch.com> wrote:

> Just recently I went through my HE-30 and found a couple of things that
> could be helpful to anyone working on one. My HE-30 audio pot had changed
>

From jmac6235 at yahoo.com Fri Sep 2 22:18:47 2016
From: jmac6235 at yahoo.com (J.D. MacAulay, WQ8U)
Date: Sat, 3 Sep 2016 02:18:47 +0000 (UTC)
Subject: [BoatAnchors] Classic Exchange coming soon
References: <2019752937.674509.1472869127179.ref@mail.yahoo.com>
Message-ID: <2019752937.674509.1472869127179@mail.yahoo.com>

The classic Exchange (CX) is a forty year old contest / on-air celebration of the great commercial, kit and home brew rigs of the past. ?Scoring is important but sharing the experience again of operating and working those rigs of decades ago is a real payoff.?

The CW session is Sept 11th and Sept 13th. The AM/SSB/FM session is Sept 25th and Sept 27th.

Full details are at: CLASSIC EXCHANGE - CX - SEPTEMBER 2016

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CLASSIC EXCHANGE - CX - SEPTEMBER 2016
| |
|

Hope to work you in CX.73, Mac, WQ8U, Hillsborough, NCCX Coordinator and Newsletter Editor.
?

From mxc04040 at nifty.ne.jp Sat Sep 3 06:34:13 2016
From: mxc04040 at nifty.ne.jp (Katsuhiko Hirai)
Date: Sat, 03 Sep 2016 19:34:13 +0900
Subject: [BoatAnchors] Lafayette HE-30
In-Reply-To: <CAEJr0FsLQkvsp28revR--OrrN1jVZhJFvdt+tf fdKzZwuz0sYA@mail.gmail.com>
References: <CA01yix3G+n8YCB_vbv=jR2FQnqZPk0uFuQvD1KgymKi7uiOHHw@mail.gmail.com>
<CAEJr0FsLQkvsp28revR--OrrN1jVZhJFvdt+tf fdKzZwuz0sYA@mail.gmail.com>
Message-ID: <20160903193412.3287.4E50566@nifty.ne.jp>

Hi, all who are keeping Japanese receivers, like HE-30, HE-10 and etc.,

I'm one of users of receivers like HE-10 that is a elder brother of HE-30.

We have two approaches to maintain the pot of AF stage and also IF stage, as follows:

- 1) Exchange them by the new one to find at the shop or scan the internet web site of shop.

I used to visit Akihabara shopping street in Tokyo and Nipponbashi street in Osaka.

In otherwise, I used to access parts shops in Akihabara, Nipponbashi and Yokohama (Japanese characters description only) through the internet, like the US, as follows URL:

[http://www.marutsu.co.jp/GoodsListNavi.jsp?
path=%E9%9B%BB%E5%AD%90%E9%83%A8%E5%93%81%3A%E5%8F%AF%E5%A4%89%E6%8A%B5%E6%8A%97%E5%99%A8%28%E3%83%9C%E3%83%AA%E3%83%A5%E3%83%BC%E3%83%A0%29&isCat=1&display=desc&isRedirect=1](http://www.marutsu.co.jp/GoodsListNavi.jsp?path=%E9%9B%BB%E5%AD%90%E9%83%A8%E5%93%81%3A%E5%8F%AF%E5%A4%89%E6%8A%B5%E6%8A%97%E5%99%A8%28%E3%83%9C%E3%83%AA%E3%83%A5%E3%83%BC%E3%83%A0%29&isCat=1&display=desc&isRedirect=1)

http://eleshop.jp/shop/c/c110317_p4/

<http://www.maroon.dti.ne.jp/satodenki/r.html>

Or, the eBay auction.

If you cannot find an appropriate pot through Mouser or others, I will help for you to scan Japanese site of parts shops.

2) Doing it yourself, through the following method to change the track of the inside pin to the new lane to contact on the flesh surface of inside-film of the pot;

- a. remove the pot,
- b. open the backside cap of the pot.
- c. move the contact track of the pin to new lane by bending a little.
- d. the flesh track will make a nice touch continuously.

This is my recommend.

Best regards,

Katsuhiko Hirai, JA3ECA

Ikoma, Nara, Western Japan

On Fri, 2 Sep 2016 16:16:08 -0400

Rich Post via BoatAnchors <boatanchors at theporch.com> san wrote:

> Hi Guido,

>

> I have found that the plastic inside the Japanese pots of that era can
> easily be destroyed by most cleaning-lubricating sprays leading to one
> cause of the problem you have described. No, don't ask me how I found out.

>

> Rich KB8TAD

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> On Thu, Sep 1, 2016 at 9:38 PM, Guido Santacana via BoatAnchors <
> boatanchors at theporch.com> wrote:

>

> > Just recently I went through my HE-30 and found a couple of things that
> > could be helpful to anyone working on one. My HE-30 audio pot had changed
> >

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

--

???? <mx04040 at nifty.ne.jp>

From n7rk at cox.net Sat Sep 3 10:01:47 2016

From: n7rk at cox.net (Dave Hollander)

Date: Sat, 3 Sep 2016 07:01:47 -0700

Subject: [BoatAnchors] Lafayette HE-30

In-Reply-To: <ek561t0071qvwco01k579L>

References: <ek561t0071qvwco01k579L>

Message-ID: <57CAD7CB.8080901@cox.net>

I encountered a similar type of problem with the volume control on-off switch on my 50 year old Allied Radio A-2517 which is really a Kenwood Trio TS-510.

The on-off switch on the back of the pot just quit working would not turn on or off. When I finally removed it from the radio which was no easy job, I found the switch plastic parts had broken internally. I had not sprayed De-Oxit.

Realizing I was not going to find a replacement switch, I was able to come up with an American made pot and A/C switch. Went to install it and the previous pot had a metric shaft.

Had to drill the front panel mounting hole which was not a big deal and drill the cast aluminum switch.

Dave N7RK

--

Dave Hollander N7RK

Arizona Tube Supply

<http://arizonatubesupply.com>

Ham Radio Page

<http://n7rk.com>

From gsantacana at gmail.com Fri Sep 2 18:55:15 2016

From: gsantacana at gmail.com (Guido Santacana)

Date: Fri, 2 Sep 2016 18:55:15 -0400

Subject: [BoatAnchors] Lafayette HE-30

In-Reply-To: <CAEJr0FsLQkvsp28revR--0rrN1jVZhJFvdt+tfKzZwuz0sYA@mail.gmail.com>

References: <CA01yix3G+n8YCB_vbv=jR2FQnqZPkOuFuQvD1KgymKi7uiOHHw@mail.gmail.com>

<CAEJr0FsLQkvsp28revR--0rrN1jVZhJFvdt+tfKzZwuz0sYA@mail.gmail.com>

Message-ID: <3496497A-6C0E-4B47-B8D7-AE89F38094D3@gmail.com>

Hi Rich,

I may have found out the same way but since the contact cleaner was used before ever turning on the HE-30, the damage was done. I remember drooling all over the HE-30 at the local Lafayette store way back then but it was too much \$ for a kid so I saved all summer while working at a local mens apparel store (cleaning and warehouse work) took a lay away on a transistor multiband and that was my first SW set. I still have it and recently recapped it. After the audio and RF gain pot replacements the HE-30 works quite well and is used regularly.

73s

Guido

Guido Santacana KP4FAR

From gsantacana at gmail.com Sat Sep 3 16:10:33 2016

From: gsantacana at gmail.com (Guido Santacana)

Date: Sat, 3 Sep 2016 16:10:33 -0400

Subject: [BoatAnchors] Lafayette HE-30

In-Reply-To: <9b4e7877-fec2-73a9-260c-8ed9bb303760@earthlink.net>

References: <CA01yix3G+n8YCB_vbv=jR2FQnqZPkOuFuQvD1KgymKi7uiOHHw@mail.gmail.com>

<CAEJr0FsLQkvsp28revR--0rrN1jVZhJFvdt+tffdkzZwuz0sYA@mail.gmail.com>

<3496497A-6C0E-4B47-B8D7-AE89F38094D3@gmail.com>

<9b4e7877-fec2-73a9-260c-8ed9bb303760@earthlink.net>

Message-ID: <95F58609-DC6F-48A4-B8A3-119FD5B6017A@gmail.com>

The HE30 has the 6BA6 RF amp from the factory. The only difference from your mod is that the cathode resistor is 350 ohms instead of 75 ohms. The IF tubes are also 6BA6s. They upgraded for this model.

73s

Guido

Guido Santacaabn

>>

From kb8tad at gmail.com Sat Sep 3 22:24:14 2016

From: kb8tad at gmail.com (Rich Post)

Date: Sat, 3 Sep 2016 22:24:14 -0400

Subject: [BoatAnchors] Lafayette HE-30

In-Reply-To: <95F58609-DC6F-48A4-B8A3-119FD5B6017A@gmail.com>

References: <CA01yix3G+n8YCB_vbv=jR2FQnqZPkOuFuQvD1KgymKi7uiOHHw@mail.gmail.com>

<CAEJr0FsLQkvsp28revR--0rrN1jVZhJFvdt+tf fdKzZwuz0sYA@mail.gmail.com>
<3496497A-6C0E-4B47-B8D7-AE89F38094D3@gmail.com>
<9b4e7877-fec2-73a9-260c-8ed9bb303760@earthlink.net>
<95F58609-DC6F-48A4-B8A3-119FD5B6017A@gmail.com>
Message-ID: <CAEJr0FspKC81=rCCQZyY_1THTVb0o0cu3aRM9BAFJ09qJez2DA@mail.gmail.com>

Guido and BA friends,

The HE-30 has plenty of gain and so does its upgraded version, the HA-230, which adds a separate always-on filament transformer for the oscillator-mixer.

Unfortunately, both of those as well as the HE-10 / KT-200 can only control the gain on the dual IF.stages. The RF stage is run wide open. They are very good shortwave band cruisers and the Q-multiplier is good on AM. However, on SSB, the Q-multiplier is switched off since it shares circuitry with the BFO. These two factors contribute to a serious issue using SSB. The gain relative to BFO injection is such that even with the IF gain turned all the way down, the gain was too much for comfortable SSB and the bandwidth too great when using a decent antenna. Using my 80 meter dipole, I literally just clamped an insulated piece of wire under the antenna terminal to feed a bit of capacitative pickup in place of a direct antenna connection which reduced the gain enough for usable SSB. I contemplated adding a gain control to the RF amp section or even a resistive attenuator to the antenna connections.

I wrote up my restoration efforts and operation experiences with the HA-230 in the March 2016 issue of "The Spectrum Monitor", the e-magazine follow-on to Monitoring Times. Yes, I know, shameless plug.

Of the three, I really like my KT-200, the kit version of the HE-10, for its styling copy of the Loewy designed Hallicrafters S-38. Pic can be found here

<<http://www.ohio.edu/people/poslr/bapix/KT200.htm>>

However, all these are cool radios, best used for broadcast and shortwave listening.

Rich KB8TAD

On Sat, Sep 3, 2016 at 4:10 PM, Guido Santacana <gsantacana@gmail.com> wrote:

> The HE30 has the 6BA6 RF amp from the factory.
>

From gsantacana@gmail.com Sun Sep 4 00:38:53 2016

From: gsantacana at gmail.com (Guido Santacana)
Date: Sun, 4 Sep 2016 00:38:53 -0400
Subject: [BoatAnchors] Lafayette HE-30
In-Reply-To: <CAEJr0FspKC81=rCCQZyY_1THTVb0o0cu3aRM9BAFJ09qJez2DA@mail.gmail.com>
References: <CA01yix3G+n8YCB_vbv=jR2FQnqZPk0uFuQvD1KgymKi7uiOHHw@mail.gmail.com>
<CAEJr0FsLQkvsp28revR--0rrN1jVZhJFvdt+tfddKzZwuz0sYA@mail.gmail.com>
<3496497A-6C0E-4B47-B8D7-AE89F38094D3@gmail.com>
<9b4e7877-fec2-73a9-260c-8ed9bb303760@earthlink.net>
<95F58609-DC6F-48A4-B8A3-119FD5B6017A@gmail.com>
<CAEJr0FspKC81=rCCQZyY_1THTVb0o0cu3aRM9BAFJ09qJez2DA@mail.gmail.com>
Message-ID: <54792B60-28B8-40E9-A095-D7F7933BD593@gmail.com>

It is indeed an IF Gain control and not RF gain as I had stated before. One of the few radioa where the IF gain is controlled. The HE30 here is used almost exclusively for general SW listening. It has good audio with an external speaker. The slide rule dial looks great and tuning is quite smooth. It needs about an hour to stabilize. As a point of interest, I have seen both IF and RF gain controls in some Chinese BA military HF receivers like the 339 and 222-1.

The HE 30 is my only experience with Lafayette shortwave radios and it has been a good one. Nowadays the SW receiver market is basically made up of Chinese sets and the higher end sets made elsewhere are few and fewer each year. I guess interest is low and youngsters don't even have a clue about it.

73s

Guido

Guido Santacana KP4FAR

>

From gumbear at pacbell.net Sun Sep 4 00:42:24 2016
From: gumbear at pacbell.net (Arden Allen)
Date: Sat, 3 Sep 2016 21:42:24 -0700
Subject: [BoatAnchors] Lafayette HE-30
In-Reply-To: <CAEJr0FspKC81=rCCQZyY_1THTVb0o0cu3aRM9BAFJ09qJez2DA@mail.gmail.com>
References: <CA01yix3G+n8YCB_vbv=jR2FQnqZPk0uFuQvD1KgymKi7uiOHHw@mail.gmail.com>
<CAEJr0FsLQkvsp28revR--0rrN1jVZhJFvdt+tfddKzZwuz0sYA@mail.gmail.com>
<3496497A-6C0E-4B47-B8D7-AE89F38094D3@gmail.com>
<9b4e7877-fec2-73a9-260c-8ed9bb303760@earthlink.net>
<95F58609-DC6F-48A4-B8A3-119FD5B6017A@gmail.com>
<CAEJr0FspKC81=rCCQZyY_1THTVb0o0cu3aRM9BAFJ09qJez2DA@mail.gmail.com>
Message-ID: <6803974AD2284962B356695EC516A5F4@Lenovo>

The HE-30 has plenty of gain

This thread spurred my interest because I have a HE-10 I upgraded some years

ago. By changing the RF amp to a 6BA6 and reducing cathode resistor values somewhat, added shielding, and a few other details now fading from memory, I brought the receiver's performance up to what it should have been from the git-go. So I see the HE-30 addressed the sensitivity issue similarly in addition to adding a Q-multiplier. But with the noisy 6BE6 mixer sensitivity is only decent below 14 MHz where lightening and power line noise predominates. I think I want to replace the 6BE6 with a VHF pentode to keep conversion gain up while cutting down partition noise. Anyone have some suggestions or have tried that?

Arden Allen
KB6NAX

Life was not invented by Monsanto.
- Dr. Vandana Shiva

From gsantacana at gmail.com Sun Sep 4 00:43:48 2016
From: gsantacana at gmail.com (Guido Santacana)
Date: Sun, 4 Sep 2016 00:43:48 -0400
Subject: [BoatAnchors] Lafayette HE-30
In-Reply-To: <d08b4662-cdf0-fb3c-60f6-61d0208f54ad@earthlink.net>
References: <CA01yix3G+n8YCB_vbv=jR2FQnqZPkOuFuQvD1KgymKi7uiOHHw@mail.gmail.com>
<CAEJr0FsLQkvsp28revR--OrrN1jVZhJFvdt+tfKzZwuz0sYA@mail.gmail.com>
<3496497A-6C0E-4B47-B8D7-AE89F38094D3@gmail.com>
<9b4e7877-fec2-73a9-260c-8ed9bb303760@earthlink.net>
<95F58609-DC6F-48A4-B8A3-119FD5B6017A@gmail.com>
<d08b4662-cdf0-fb3c-60f6-61d0208f54ad@earthlink.net>
Message-ID: <36DA330F-B36D-4045-A357-EE8B3E469518@gmail.com>

I will try that resistor substitution and see how it does.

Guido KP4FAR
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>>>>
>>

From gsantacana at gmail.com Sun Sep 4 00:53:02 2016
From: gsantacana at gmail.com (Guido Santacana)
Date: Sun, 4 Sep 2016 00:53:02 -0400
Subject: [BoatAnchors] Crystal oscillator
Message-ID: <8B1737D2-7762-41B5-8AD3-3B50AE708F94@gmail.com>

Guys,

I just finished assembly of a small crystal oscillator kit from a vendor in China.

It is excellent for determining crystal frequencies and testing crystals. The kit price varies from 5 to 7 dollars at " you know where" . The assembly is quick and easy with no instructions needed since the small circuit board is well marked. It took me about 30 minutes to finish and worked right away. I thought that maybe some here could have some use for the little gadget and our BA repairs when crystals are involved. You can search for it as crystal tester.

73s

Guido KP4FAR

Sent from my iPad

From arc5 at ix.netcom.com Sun Sep 4 05:05:55 2016
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 4 Sep 2016 04:05:55 -0500
Subject: [BoatAnchors] Crystal oscillator
In-Reply-To: <8B1737D2-7762-41B5-8AD3-3B50AE708F94@gmail.com>
References: <8B1737D2-7762-41B5-8AD3-3B50AE708F94@gmail.com>
Message-ID: <333F11E2C1524057AD6F4AD53BBCDC57@DaddyPC>

----- Original Message -----

From: "Guido Santacana via BoatAnchors"
<boatanchors at theporch.com>
To: "Old Tube Radios" <boatanchors at theporch.com>
Subject: [BoatAnchors] Crystal oscillator

> I just finished assembly of a small crystal oscillator kit from
> a vendor in China. It >is excellent for determining crystal
> frequencies and testing crystals.

I purchased two of those kits a couple of months ago.
They worked very well for small-format crystals like
HC-25, 49 etc. but did not have the heft to test most
FT-243 or larger. Perhaps they've improved the design.
I'm planning to add a "meatier" oscillator ahead of the
devices so I can test larger-format crystals.
Simple enough to do.

73 Dave AB5S

From gsantacana at gmail.com Sun Sep 4 10:00:05 2016

From: gsantacana at gmail.com (Guido Santacana)
Date: Sun, 4 Sep 2016 10:00:05 -0400
Subject: [BoatAnchors] Crystal oscillator
In-Reply-To: <333F11E2C1524057AD6F4AD53BBCDC57@DaddyPC>
References: <8B1737D2-7762-41B5-8AD3-3B50AE708F94@gmail.com>
<333F11E2C1524057AD6F4AD53BBCDC57@DaddyPC>
Message-ID: <0D1682F9-5C3B-4E44-847E-3A094C00D496@gmail.com>

I tested up to HC6/U crystals and it did well on those. An adapter made from an old HC6/U mount was used because the crystal connector in the oscillator is for small format crystals. I don't have any FT243 crystals right now so unable to test those. It has an input to use it as a frequency meter.

73s

Guido KP4FAR

Sent from my iPad

On Sep 4, 2016, at 5:05 AM, David Stinson via BoatAnchors <boatanchors at theporch.com> wrote:

>
> ----- Original Message ----- From: "Guido Santacana via BoatAnchors"
> <boatanchors at theporch.com>
> To: "Old Tube Radios" <boatanchors at theporch.com>
> Subject: [BoatAnchors] Crystal oscillator
>
>
>> I just finished assembly of a small crystal oscillator kit from a vendor in
> China. It >is excellent for determining crystal frequencies and testing crystals.
>
> I purchased two of those kits a couple of months ago.
> They worked very well for small-format crystals like
> HC-25, 49 etc. but did not have the heft to test most
> FT-243 or larger. Perhaps they've improved the design.
> I'm planning to add a "meatier" oscillator ahead of the
> devices so I can test larger-format crystals.
> Simple enough to do.
>
> 73 Dave AB5S
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From spr at earthlink.net Sun Sep 4 00:11:48 2016
From: spr at earthlink.net (Scott Robinson)
Date: Sat, 3 Sep 2016 21:11:48 -0700
Subject: [BoatAnchors] Lafayette HE-30
In-Reply-To: <95F58609-DC6F-48A4-B8A3-119FD5B6017A@gmail.com>
References: <CA01yix3G+n8YCB_vbv=jR2FQnqZPk0uFuQvD1KgymKi7ui0HHw@mail.gmail.com>
<CAEJr0FsLQkvsp28revR--0rrN1jVZhJFvdt+tfKzZwuz0sYA@mail.gmail.com>
<3496497A-6C0E-4B47-B8D7-AE89F38094D3@gmail.com>
<9b4e7877-fec2-73a9-260c-8ed9bb303760@earthlink.net>
<95F58609-DC6F-48A4-B8A3-119FD5B6017A@gmail.com>
Message-ID: <d08b4662-cdf0-fb3c-60f6-61d0208f54ad@earthlink.net>

Hi Guido,

Just substituting the 6BA6 improved the sensitivity by 3 dB. Reducing the cathode resistor did the other 3 dB. Sensitivity for 10 dB S/N was 1.5 uV after all was done, which is very good.

Regards,

Scott

On 9/3/16 1:10 PM, Guido Santacana wrote:

> The HE30 has the 6BA6 RF amp from the factory. The only difference from your mod is that the cathode resistor is 350 ohms instead of 75 ohms. The IF tubes are also 6BA6s. They upgraded for this model.

>

> 73s

>

> Guido

>

> Guido Santacaabn

>

>>>

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From navy.radio at gmail.com Sun Sep 4 15:09:09 2016
From: navy.radio at gmail.com (Nick England)
Date: Sun, 4 Sep 2016 15:09:09 -0400
Subject: [BoatAnchors] Shelby hamfest photos
Message-ID: <CAB55hNdFCY0pzda6Uf4JPzNJPNrPFDtQk7V0BMxkCCWy4qSqKA@mail.gmail.com>

Hurricane threats kept a lot of people away I guess as the turnout was much smaller than past years. Still plenty of boatanchor gear on offer, though! Thursday was hot and sunny but only a handful of people set up. Friday had cold rain off and on with a few more folks set up between drizzles. Saturday dawned clear and cool - perfect hamfest weather!

Photos at http://www.virhistory.com/ham/shelby_2016.htm

Please chime in with your own observations about the crowds, equipment, etc.

Cheers,

Nick K4NYW

www.navy-radio.com

From arc5 at ix.netcom.com Sun Sep 4 16:30:38 2016

From: arc5 at ix.netcom.com (David Stinson)

Date: Sun, 4 Sep 2016 15:30:38 -0500

Subject: [BoatAnchors] Shelby hamfest photos

In-Reply-To: <CAB55hNdFCY0pzda6Uf4JPzNJPNrPFDtQk7V0BMxkCCWy4qSqKA@mail.gmail.com>

References: <CAB55hNdFCY0pzda6Uf4JPzNJPNrPFDtQk7V0BMxkCCWy4qSqKA@mail.gmail.com>

Message-ID: <8AF4D89950404BD8A245B94D83E6355F@DaddyPC>

Once again, thank you, Nick for this great "eye candy."

TNX OM DE Dave AB5S

From oldradio at comcast.net Sun Sep 4 16:49:29 2016

From: oldradio at comcast.net (oldradio at comcast.net)

Date: Sun, 4 Sep 2016 20:49:29 +0000 (UTC)

Subject: [BoatAnchors] Shelby hamfest photos

In-Reply-To: <CAB55hNdFCY0pzda6Uf4JPzNJPNrPFDtQk7V0BMxkCCWy4qSqKA@mail.gmail.com>

References: <CAB55hNdFCY0pzda6Uf4JPzNJPNrPFDtQk7V0BMxkCCWy4qSqKA@mail.gmail.com>

Message-ID: <1569694402.17843089.1473022169377.JavaMail.zimbra@comcast.net>

Hi Nick,

I didn't see myself there, oops, that right I didn't attend sorry to say. I missed a good one!

Thanks for the photos.

73, John, K2TQN age 75 now and feeling it.

----- Original Message -----

From: "Nick England via BoatAnchors" <boatanchors at theporch.com>

To: "Old Tube Radios" <boatanchors at theporch.com>

Sent: Sunday, September 4, 2016 3:09:09 PM

Subject: [BoatAnchors] Shelby hamfest photos

Hurricane threats kept a lot of people away I guess as the turnout was much smaller than past years. Still plenty of boatanchor gear on offer, though! Thursday was hot and sunny but only a handful of people set up. Friday had

cold rain off and on with a few more folks set up between drizzles.
Saturday dawned clear and cool - perfect hamfest weather!
Photos at http://www.virhistory.com/ham/shelby_2016.htm

Please chime in with your own observations about the crowds, equipment, etc.
Cheers,
Nick K4NYW
www.navy-radio.com

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From infomet at embarqmail.com Sun Sep 4 17:17:10 2016
From: infomet at embarqmail.com (Wilson Lamb)
Date: Sun, 4 Sep 2016 17:17:10 -0400
Subject: [BoatAnchors] Shelby hamfest photos
In-Reply-To: <CAB55hNdFCY0pzda6Uf4JPzNJPNrPFDtQk7V0BMxkCCWy4qSqKA@mail.gmail.com>
References: <CAB55hNdFCY0pzda6Uf4JPzNJPNrPFDtQk7V0BMxkCCWy4qSqKA@mail.gmail.com>
Message-ID: <704358616DB44658BB7422A95F1268BE@HPHOMEPC>

Thanks, Nick, good 2 c u there.
I took a full van, SEVEN stalwart festers.
The place is so spread out I have no idea of numbers...didn't go last year,
but things were brisk sunny saturday.
I saw a lot of BA for sale, but not many being carried off.
I saw very few of the stuff I look for, plug in coils, power xfmr's, chassis,
etc.
Truth is, I think we Anchorites are going extinct.
Life is so easy for the younguns that they can't imagine braving the B+ and
hernias to make BAs go!
If anyone needs a power transformer, let me know,
Wilson
W4BOH

-----Original Message-----
From: Nick England
Sent: Sunday, September 04, 2016 3:09 PM
To: Old Tube Radios
Subject: [BoatAnchors] Shelby hamfest photos

Hurricane threats kept a lot of people away I guess as the turnout was much
smaller than past years. Still plenty of boatanchor gear on offer, though!
Thursday was hot and sunny but only a handful of people set up. Friday had
cold rain off and on with a few more folks set up between drizzles.
Saturday dawned clear and cool - perfect hamfest weather!
Photos at http://www.virhistory.com/ham/shelby_2016.htm

Please chime in with your own observations about the crowds, equipment, etc.

Cheers,

Nick K4NYW

www.navy-radio.com

From gsantacana at gmail.com Sun Sep 4 19:29:02 2016

From: gsantacana at gmail.com (Guido Santacana)

Date: Sun, 4 Sep 2016 19:29:02 -0400

Subject: [BoatAnchors] Crystal oscillator

In-Reply-To:

<CY4PR06MB271089C84EBF0C306E9D58C5ABE70@CY4PR06MB2710.namprd06.prod.outlook.com>

References: <8B1737D2-7762-41B5-8AD3-3B50AE708F94@gmail.com>

<CY4PR06MB271089C84EBF0C306E9D58C5ABE70@CY4PR06MB2710.namprd06.prod.outlook.com>

Message-ID: <6FA1D4AF-1120-47CF-81CF-2A6535D7BC48@gmail.com>

As I go through this crystal oscillator its capabilities are revealed. First, lower frequency crystals cannot be measured unless the values of the two parallel 22pF ceramic capacitors are changed. Recommendations are to replace the upper one with a 68pF and the lower one with a 200pF. A PDF manual available in the web states that the solution to this problem is to add a parallel 22pF cap to the upper one. With the original 22pF caps it will not measure below approximately 3000kHz. It goes down another MHz with the 22pF in parallel with the upper cap of the pair. The biggest format I have measured is HC6/U. As I continue my tinkering with this interesting gadget I will let everyone know the results.

73s

Guido. KP4FAR

Sent from my iPad

From wb6orz at comcast.net Sun Sep 4 21:01:02 2016

From: wb6orz at comcast.net (Les Zwiebel WB6ORZ)

Date: Mon, 5 Sep 2016 01:01:02 +0000 (UTC)

Subject: [BoatAnchors] Crystal oscillator

Message-ID: <1059166427.7115420.1473037262399.JavaMail.zimbra@comcast.net>

Sent from XFINITY Connect Mobile App

-----Original Message-----

From: boatanchors at theporch.com
To: k0crx at arrl.net
Cc: boatanchors at theporch.com
Sent: 2016-09-04 4:29:55 PM
Subject: Re: [BoatAnchors] Crystal oscillator

As I go through this crystal oscillator its capabilities are revealed. First, lower frequency crystals cannot be measured unless the values of the two parallel 22pF ceramic capacitors are changed. Recommendations are to replace the upper one with a 68pF and the lower one with a 200pF. A PDF manual available in the web states that the solution to this problem is to add a parallel 22pF cap to the upper one. With the original 22pF caps it will not measure below approximately 3000kHz. It goes down another MHz with the 22pF in parallel with the upper cap of the pair. The biggest format I have measured is HC6/U. As I continue my tinkering with this interesting gadget I will let everyone know the results.

73s

Guido. KP4FAR

Sent from my iPad

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From wb6orz at comcast.net Sun Sep 4 21:06:31 2016
From: wb6orz at comcast.net (Les Zwiebel WB6ORZ)
Date: Mon, 5 Sep 2016 01:06:31 +0000 (UTC)
Subject: [BoatAnchors] Crystal oscillator
Message-ID: <244296482.7116576.1473037591475.JavaMail.zimbra@comcast.net>

Sent from XFINITY Connect Mobile App

-----Original Message-----

From: boatanchors at theporch.com
To: k0crx at arrl.net
Cc: boatanchors at theporch.com
Sent: 2016-09-04 4:29:55 PM
Subject: Re: [BoatAnchors] Crystal oscillator

As I go through this crystal oscillator its capabilities are revealed. First, lower frequency crystals cannot be measured unless the values of the two parallel

22pF ceramic capacitors are changed. Recommendations are to replace lower the upper one with a 68pF and the one with a 200pF. A PDF manual available in the web states that the solution to this problem is to add a parallel 22pF cap to the upper one. With the original 22pF caps it will not measure below approximately 3000kHz. It goes down another MHz with the 22pF in parallel with the upper cap of the pair. The biggest format I have measured is HC6/U. As I continue my tinkering with this interesting gadget I will let everyone know the results.

73s

Guido. KP4FAR

Sent from my iPad

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From wb6orz at comcast.net Sun Sep 4 21:06:32 2016
From: wb6orz at comcast.net (Les Zwiebel WB6ORZ)
Date: Mon, 5 Sep 2016 01:06:32 +0000 (UTC)
Subject: [BoatAnchors] Crystal oscillator
Message-ID: <1770856420.7116592.1473037592121.JavaMail.zimbra@comcast.net>

Sent from XFINITY Connect Mobile App

-----Original Message-----

From: boatanchors at theporch.com
To: k0crx at arrl.net
Cc: boatanchors at theporch.com
Sent: 2016-09-04 4:29:55 PM
Subject: Re: [BoatAnchors] Crystal oscillator

As I go through this crystal oscillator its capabilities are revealed. First, lower frequency crystals cannot be measured unless the values of the two parallel 22pF ceramic capacitors are changed. Recommendations are to replace lower the upper one with a 68pF and the one with a 200pF. A PDF manual available in the web states that the solution to this problem is to add a parallel 22pF cap to the upper one. With the original 22pF caps it will not measure below approximately 3000kHz. It goes down another MHz with the 22pF in parallel with the upper cap of the pair. The biggest format I have measured is HC6/U. As I continue my tinkering with this interesting gadget I will let everyone know the results.

73s

Guido. KP4FAR

Sent from my iPad

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From wb6orz at comcast.net Sun Sep 4 21:06:32 2016
From: wb6orz at comcast.net (Les Zwiebel WB6ORZ)
Date: Mon, 5 Sep 2016 01:06:32 +0000 (UTC)
Subject: [BoatAnchors] Crystal oscillator
Message-ID: <751052829.7116594.1473037592781.JavaMail.zimbra@comcast.net>

Sent from XFINITY Connect Mobile App

-----Original Message-----

From: boatanchors at theporch.com
To: k0crx at arrl.net
Cc: boatanchors at theporch.com
Sent: 2016-09-04 4:29:55 PM
Subject: Re: [BoatAnchors] Crystal oscillator

As I go through this crystal oscillator its capabilities are revealed. First, lower frequency crystals cannot be measured unless the values of the two parallel 22pF ceramic capacitors are changed. Recommendations are to replace lower the upper one with a 68pF and the one with a 200pF. A PDF manual available in the web states that the solution to this problem is to add a parallel 22pF cap to the upper one. With the original 22pF caps it will not measure below approximately 3000kHz. It goes down another MHz with the 22pF in parallel with the upper cap of the pair. The biggest format I have measured is HC6/U. As I continue my tinkering with this interesting gadget I will let everyone know the results.

73s

Guido. KP4FAR

Sent from my iPad

BoatAnchors mailing list
BoatAnchors at theporch.com

<https://minime.theporch.com/mailman/listinfo/boatanchors>

From wb6orz at comcast.net Sun Sep 4 21:06:42 2016
From: wb6orz at comcast.net (Les Zwiebel WB6ORZ)
Date: Mon, 5 Sep 2016 01:06:42 +0000 (UTC)
Subject: [BoatAnchors] Crystal oscillator
Message-ID: <436830041.7116663.1473037602506.JavaMail.zimbra@comcast.net>

Sent from XFINITY Connect Mobile App

-----Original Message-----

From: boatanchors at theporch.com
To: k0crx at arrl.net
Cc: boatanchors at theporch.com
Sent: 2016-09-04 4:29:55 PM
Subject: Re: [BoatAnchors] Crystal oscillator

As I go through this crystal oscillator its capabilities are revealed. First, lower frequency crystals cannot be measured unless the values of the two parallel 22pF ceramic capacitors are changed. Recommendations are to replace the upper one with a 68pF and the lower one with a 200pF. A PDF manual available in the web states that the solution to this problem is to add a parallel 22pF cap to the upper one. With the original 22pF caps it will not measure below approximately 3000kHz. It goes down another MHz with the 22pF in parallel with the upper cap of the pair. The biggest format I have measured is HC6/U. As I continue my tinkering with this interesting gadget I will let everyone know the results.

73s

Guido. KP4FAR

Sent from my iPad

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From gumbear at pacbell.net Mon Sep 5 15:46:13 2016
From: gumbear at pacbell.net (Arden Allen)
Date: Mon, 5 Sep 2016 12:46:13 -0700
Subject: [BoatAnchors] Xtals
Message-ID: <61292D2C26AB4E1199FE3E2360898C43@Lenovo>

I have a bunch of crystals of various sorts and frequencies, some of which may be needed for mil gear restoration. They are as follows:

HC-6/U: 8950, 26610, 27065, 9050 kHz (obviously a couple of CB frequencies)

DC-11A: (SCR522?): 32.2 MHz/Ch 322 (x3), 32.0 MHz/Ch 320, 32.1 MHz/Ch 321

CR-1A/AR: 8160.00, 8036.25, 8126.25 kHz

FT-243: unknown freq., 8050, 8100 kHz

HC-25/U: 2 meter transmit/receive (x9), CB transmit/receive (x9)

Holder of the type used for Hallicrafters crystal filter

That's it, free plus shipping to first responder.

Arden Allen
KB6NAX

Life was not invented by Monsanto.

- Dr. Vandana Shiva

From gumbear at pacbell.net Mon Sep 5 15:06:51 2016

From: gumbear at pacbell.net (Arden Allen)

Date: Mon, 5 Sep 2016 12:06:51 -0700

Subject: [BoatAnchors] Audio oscillator bulbs

Message-ID: <1886C798B86E44479496D8698EE1407C@Lenovo>

As the garage dig has proceeded I've found some interesting stuff but today I found some rare and valuable jewels ? four never used brass base 120 volt 3 watt lamp bulbs, the kind used as amplitude regulators in audio oscillators. As I already have a couple of spares for my own needs I'm offering these to List members for the handsome price of \$1 per watt plus shipping. Those who are in need of a lamp for an oscillator being restored have first preference. Signing over your first born great grand child or persuasive pleading is all that is needed to obtain a bulb.

Arden Allen
KB6NAX

Life was not invented by Monsanto.

- Dr. Vandana Shiva

From 4cx250b at miamioh.edu Sun Sep 11 08:16:03 2016

From: 4cx250b at miamioh.edu (Jim Garland)

Date: Sun, 11 Sep 2016 06:16:03 -0600

Subject: [BoatAnchors] Classic Exchange Plans

Message-ID: <001501d20c26\$449212c0\$cdb63840\$miamioh.edu>

Hi Everybody,

CX starts this morning at 1300 UTC (9AM EST), so hope to work as many of you as possible. I'll be using two of my favorite rigs:

1. (Today) Multi-Elmac AF68/PMR8. These particular radios were a gift from Barry Goldwater to the US Senate Amateur Radio Club. The company didn't supply interconnecting cables, so the good Senators never used them. I acquired them NIB about twelve years ago. They're lovely radios, with a sweet distinctive chirp on the CW note.

2.(Tuesday) On the second day of CX I'll trot out my Hallicrafters FPM-200. Last year I discovered it didn't work, and spent the contest rebuilding the T/R relay. Everything worked when I put it away, so we'll see how goes this year. This radio was the grand prize in the 1958 "Why-I-Like-Hallicrafters" contest, and I have lots of documentation with it (photos of the award ceremony at the 1959 Dayton Hamvention, letter and telegram to the winner from Wm. Halligen jr.).

I may fire up a couple of additional rigs each day, depending on the activity. I'm thinking of a Lysco TX or possibly a TBS50D, pairing with a homebrew receiver. Hope there's a lot of activity this year.

73,

Jim W8ZR

From kb8tad at gmail.com Sun Sep 11 16:19:51 2016

From: kb8tad at gmail.com (Rich Post)

Date: Sun, 11 Sep 2016 16:19:51 -0400

Subject: [BoatAnchors] Hallicrafters SR-75

Message-ID: <CAEJr0Fv83_+d3abbbQ72YUt2y=KQXcC+BLUikF220kcXisiigw@mail.gmail.com>

Anchorites,

I am in the process of restoring one of these interesting pieces to functionality. Has anyone actually operated one of these on the air? It was geared to the then-new Novice class operators in 1951 but was no longer advertised in 1952, probably for some very good reasons (such as

price-performance).

Any experiences?

73 es Tnx de Rich KB8TAD

From garygarlic at earthlink.net Mon Sep 12 11:00:59 2016
From: garygarlic at earthlink.net (Gary Woods)
Date: Mon, 12 Sep 2016 11:00:59 -0400
Subject: [BoatAnchors] Hallicrafters SR-75
In-Reply-To: <CAEJr0Fv83_+d3abbbQ72YUt2y=KQXcC+BLUikF220kcXisiigw@mail.gmail.com>
References: <CAEJr0Fv83_+d3abbbQ72YUt2y=KQXcC+BLUikF220kcXisiigw@mail.gmail.com>
Message-ID: <kkgdtbdjigfu8p3vppg2qe9fjdp52d4jl3@4ax.com>

On Sun, 11 Sep 2016 16:19:51 -0400, you wrote:

>I am in the process of restoring one of these interesting pieces to
>functionality. Has anyone actually operated one of these on the air?

I looked up the manual online; what a truly dreadful hodgepodge! Probably worse than my first novice setup a few years later: A BC-454 and 6L6 one-tube transmitter on 80 meters.

I'd like to hear that SR-75 on the air some day; good luck (and use an isolation transformer)!

--

Gary Woods AKA K2AHC- PGP key on request, or at home.earthlink.net/~garygarlic
Zone 5/4 in upstate New York, 1420' elevation. NY W0 G

From kb8tad at gmail.com Mon Sep 12 12:48:51 2016
From: kb8tad at gmail.com (Rich Post)
Date: Mon, 12 Sep 2016 12:48:51 -0400
Subject: [BoatAnchors] Hallicrafters SR-75
In-Reply-To: <kkgdtbdjigfu8p3vppg2qe9fjdp52d4jl3@4ax.com>
References: <CAEJr0Fv83_+d3abbbQ72YUt2y=KQXcC+BLUikF220kcXisiigw@mail.gmail.com>
<kkgdtbdjigfu8p3vppg2qe9fjdp52d4jl3@4ax.com>
Message-ID: <CAEJr0FvAnA2wdYhThRnOMFskK5mZNWFWph-zEOg-q8Ti5gcxfw@mail.gmail.com>

Yes, hot chassis S-38B with an interesting voltage doubler, the chassis between a B+ and an equivalent B- .

First act was remove the waxed cardboard electrolytics and use the space for an isolation transformer!

Rich KB8TAD

On Mon, Sep 12, 2016 at 11:00 AM, Gary Woods <garygarlic at earthlink.net> wrote:

> ... good luck (and use an isolation transformer)!
>
>

From n7rk at cox.net Mon Sep 12 14:31:45 2016
From: n7rk at cox.net (Dave Hollander)
Date: Mon, 12 Sep 2016 11:31:45 -0700
Subject: [BoatAnchors] Hallicrafters SR-75
In-Reply-To: <if1J1t0181qvwco01f1SSA>
References: <CAEJr0Fv83_+d3abbbQ72YUt2y=KQXcC+BLUikF220kcXisiigw@mail.gmail.com>
<if1J1t0181qvwco01f1SSA>
Message-ID: <57D6F491.3090604@cox.net>

Gary Woods via BoatAnchors wrote:

> Probably
> worse than my first novice setup a few years later: A BC-454 and 6L6
> one-tube transmitter on 80 meters.
Gary - your BC-454 was a heck of a lot better receiver than an S-38
having used both.

I also have an SR-75 sitting on my shelf.

Dave N7RK

--

Dave Hollander N7RK
Arizona Tube Supply
<http://arizonatubesupply.com>

Ham Radio Page
<http://n7rk.com>

From k4oah at mindspring.com Mon Sep 12 14:52:38 2016
From: k4oah at mindspring.com (Garey Barrell)
Date: Mon, 12 Sep 2016 14:52:38 -0400
Subject: [BoatAnchors] Hallicrafters SR-75
In-Reply-To: <57D6F491.3090604@cox.net>
References: <CAEJr0Fv83_+d3abbbQ72YUt2y=KQXcC+BLUikF220kcXisiigw@mail.gmail.com>
<if1J1t0181qvwco01f1SSA> <57D6F491.3090604@cox.net>
Message-ID: <57D6F976.8020607@mindspring.com>

Gary -

Better than a Heath AR-3, too!

My first station was identical to yours... Mine was a 'QSL-40', from a late 30's QST. Worked a LOT of stations with that pair, including my 'best DX', Grand Island, Nebraska! Got a nice little white 'certificate' signed by some guy named FCC... I knew it couldn't have been me because the certificate was for 40M... :-)

Fun times!!

--

73, Garey - K4OAH
Rome, GA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

Dave Hollander via BoatAnchors wrote:

> Gary Woods via BoatAnchors wrote:

>> Probably

>> worse than my first novice setup a few years later: A BC-454 and 6L6

>> one-tube transmitter on 80 meters.

> Gary - your BC-454 was a heck of a lot better receiver than an S-38 having used both.

>

> I also have an SR-75 sitting on my shelf.

>

> Dave N7RK

>

From ddillman at igc.org Mon Sep 12 17:52:36 2016

From: ddillman at igc.org (Richard Dillman)

Date: Mon, 12 Sep 2016 14:52:36 -0700 (GMT-07:00)

Subject: [BoatAnchors] KPH Returns Home - Update - Frequencies and Proposed Date

Message-ID: <1044142.1473717156170.JavaMail.wam@mswamui-thinleaf.atl.sa.earthlink.net>

FLASH! KPH Returns Home!

UPDATE

Frequencies And Proposed Date

The crack MRHS Transmitter Department has begun the process of moving the KPH transmitters back to their original frequencies from our KSM frequencies.

While the beginning date for the commencement of KPH operations may change, we are now aiming at Saturday 24 September. On that date we plan to cease operations on all KSM frequencies (except perhaps for one KSM frequency to remain on the air to announce the change).

The KPH CW frequencies will be (in kc):

426
500
4247.0
6477.5
8642.0
12808.5
17016.8
22477.5

More information to follow including KPH NBDP (Narrow Band Direct Printing or RTTY) frequencies.

Here's background information on the return to the air of KPH:

KPH operations ceased from Bolinas and Point Reyes on 30 June 1997. While we continued commercial operations under the call KSM, we longed for the resonance and rhythm of the iconic call sign KPH. Over the years many attempts have been made behind the scenes to recover that historic call. None have borne fruit... until now!

For complete details please read the special Extra edition of our Newsletter No. 56. You'll get all the inside information including the how, when and where (on the radio dial) KPH will once again be heard.

VY 73,

MRHS

<http://www.radiomarine.org>

=====
Richard Dillman

Maritime Radio Historical Society
<http://www.radiomarine.org>

=====

From gsantacana at gmail.com Sun Sep 11 20:23:43 2016
From: gsantacana at gmail.com (Guido Santacana)
Date: Sun, 11 Sep 2016 20:23:43 -0400
Subject: [BoatAnchors] Romanian BA
Message-ID: <575DBC02-5924-468D-A2FD-A54B8560F137@gmail.com>

Gentlemen,

Sometime ago I acquired an R3110 (R35T) Romanian military receiver. It covers from 1.5 to 31 MHz in six bands with double conversion in the first three and triple in the last two. The peculiarity of this receiver is the presence of a manual PLL. The band change mechanics is definitely the result of German influence like in many Eastern European and Russian postwar sets. Although it is completely solid state, the 40 pounds plus weight makes it a BA. Power is 12VDC from an external supply. This set was working very well until suddenly the three upper bands went dead followed by the three lower bands. Just before this event sensitivity faltered in all bands. My first suspect is the oscillator section. I cannot hear any oscillation. The problem is that the only manual that I have found is not very helpful and parts numbers don't match those in the radio. It looks as if there is more than one version. I know this may be a shot in the dark but if by any chance anyone here has one of these and has been able to get a better manual, I will be glad to know. It reminds me of the Drake SSR-1. There are two circuit versions for this one.

Best 73s

Guido

Guido Santacana KP4FAR

Sent from my iPad

From jp at cs.unc.edu Tue Sep 13 17:57:54 2016
From: jp at cs.unc.edu (John Poulton)
Date: Tue, 13 Sep 2016 17:57:54 -0400
Subject: [BoatAnchors] FS: Entire Millen station
Message-ID: <CAKtz7feySEB5aoCTpOARNorjYLQDVSF-GoV+zWvwmnQmNH=pRw@mail.gmail.com>

Folks,

After years of collecting various bits of Millen gear, I'm finally throwing in the towel and admitting that I'm never going to get around to building this station. So, I'm offering just about everything I've collected for

sale as a group--basically everything you'd need except an HR0! See:

http://jptronics.org/millen_sstation/index.htm

Asking \$2K for all, pickup in Chapel Hill, NC. (Or, explore creative delivery options..)

Limited time offer. This equipment needs to find a new home, so if no interesting in the next few days, it goes to that auction place.

73, John K4OZY

From wwatson5 at sbcglobal.net Sat Sep 17 01:00:43 2016
From: wwatson5 at sbcglobal.net (William Watson)
Date: Sat, 17 Sep 2016 05:00:43 +0000 (UTC)
Subject: [BoatAnchors] Looking for 140 pf variable ca[s
References: <1447365623.56889.1474088443098.ref@mail.yahoo.com>
Message-ID: <1447365623.56889.1474088443098@mail.yahoo.com>

I need 3 good 140 pf variable capacitors for regen construction projects:
1/4 shaftpanel mount, preferably single nut mountstandard size (not midge/APC)
Let me know if you can help
Need price shipped to Edmond, OK
Thanks.
JoeW5WBR

From richardmccay at icloud.com Sat Sep 17 14:09:44 2016
From: richardmccay at icloud.com (Richard Wagner)
Date: Sat, 17 Sep 2016 14:09:44 -0400
Subject: [BoatAnchors] Heath AR-3
Message-ID: <A8821C7A-E9E8-48C9-B1C1-19EE0392EF35@icloud.com>

The mere mention of the AT-3 brings memories. My first rcvr, and it was a bomb! My companion DX-35 was decent though. That was a long time ago, and we got through it.

Rich
K4MZE

Sent from my iPhone

From gumbear at pacbell.net Sat Sep 17 15:06:17 2016
From: gumbear at pacbell.net (Arden Allen)
Date: Sat, 17 Sep 2016 12:06:17 -0700
Subject: [BoatAnchors] [ARC5] Mica Capacitor
In-Reply-To: <3DCA2EE9783E442696E9B19EE0631B17@DH26DQ31>

References:

<31ED17F4884245A68BBC0DC4E9E205C8@DH26DQ31><57DCA9E3.19186.758EF8@kgordon2006.frontier.com>

<3DCA2EE9783E442696E9B19EE0631B17@DH26DQ31>

Message-ID: <3749421D90924173972338CC91697B5F@Lenovo>

> Okay, I found the mica cap color codes in a copy of TM11-630. I had no
> idea
there were so many kinds. Anyway, I decided that the codes on the mica cap
matched the American War Standard, and equate to 0.01 mfd bypass cap, 500V.
It's not too hard to find a ceramic disk cap with those values!

Be careful! Depending on dielectric type ceramic caps can be highly lossy
and in spike suppression service can eventually fail due to repetitive
stress from piezo electric working of the material. Better to use a
polypropylene cap in place of the mica for such service.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From gumbear at pacbell.net Sat Sep 17 15:14:13 2016

From: gumbear at pacbell.net (Arden Allen)

Date: Sat, 17 Sep 2016 12:14:13 -0700

Subject: [BoatAnchors] Heath AR-3

In-Reply-To: <A8821C7A-E9E8-48C9-B1C1-19EE0392EF35@icloud.com>

References: <A8821C7A-E9E8-48C9-B1C1-19EE0392EF35@icloud.com>

Message-ID: <0007929004D74CFBBE66025BDA3B3D90@Lenovo>

> The mere mention of the A[R]-3 brings memories. My first rcvr, and it was
> a bomb! My companion DX-35 was decent though. That was a long time ago,
> and we got through it.

My hat is off to the AR-3. As my first serious kit it taught me why good
soldering technique is crucial. Then it taught me about superhet receivers
and their susceptibility to image reception with poor front end selectivity.
Then it taught me about atmospheric noise and the need for better signal to
noise performance with increasing frequency. It taught me how AVC works and
then it taught me how to properly align a receiver. It also taught me how
to keep from being electrocuted! I still have it and I think I'll have it
cremated with me!

Arden Allen
KB6NAX

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hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From wa9jml at frontier.com Sat Sep 17 16:18:47 2016
From: wa9jml at frontier.com (Steve Berg)
Date: Sat, 17 Sep 2016 15:18:47 -0500
Subject: [BoatAnchors] Heath AR-3
In-Reply-To: <0007929004D74CFBBE66025BDA3B3D90@Lenovo>
References: <A8821C7A-E9E8-48C9-B1C1-19EE0392EF35@icloud.com>
<0007929004D74CFBBE66025BDA3B3D90@Lenovo>
Message-ID: <12e47f61-82bc-8f81-4c15-00d3c0d167a4@frontier.com>

I have never seen an AR-3. But after building and trying to get a Heath GR-91 to actually work, I struck the flag and bought a BC-455 Command Set Receiver from Alco Electronics. It was still going strong 25 years later when I loaned it out, never to have it returned. Luckily, I have since obtained another BC-455 and two BC-454 80 meter receivers, and an 80 meter Command Set Transmitter. I plan to get them all on the air once retirement actually hits.

Steve WA9JML

From infomet at embarqmail.com Sat Sep 17 17:09:08 2016
From: infomet at embarqmail.com (Wilson Lamb)
Date: Sat, 17 Sep 2016 17:09:08 -0400
Subject: [BoatAnchors] Looking for 140 pf variable ca[s
In-Reply-To: <1447365623.56889.1474088443098@mail.yahoo.com>
References: <1447365623.56889.1474088443098.ref@mail.yahoo.com>
<1447365623.56889.1474088443098@mail.yahoo.com>
Message-ID: <D51461C5D8814F4184696E6E7F6991CE@HPHOMEPC>

Have you looked at old BC caps?
Some have a low capacity section.
You can also put another cap in series, to lower their capacity, usually 365 pF/section.

For that matter, if you are building breadboard you can put the two 365 sections in series, for half capacity total.

WL

-----Original Message-----

From: William Watson

Sent: Saturday, September 17, 2016 1:00 AM

To: Old Tube Radios

Subject: [BoatAnchors] Looking for 140 pf variable ca[s

I need 3 good 140 pf variable capacitors for regen construction projects:
1/4 shaftpanel mount, preferably single nut mount standard size (not
midge/APC)

Let me know if you can help

Need price shipped to Edmond, OK

Thanks.

JoeW5WBR

From rbsingl at ilstu.edu Sat Sep 17 19:27:21 2016

From: rbsingl at ilstu.edu (Singley, Rodger)

Date: Sat, 17 Sep 2016 23:27:21 +0000

Subject: [BoatAnchors] Heath AR-3

In-Reply-To: <12e47f61-82bc-8f81-4c15-00d3c0d167a4@frontier.com>

References: <A8821C7A-E9E8-48C9-B1C1-19EE0392EF35@icloud.com>

<0007929004D74CFBBE66025BDA3B3D90@Lenovo>

<12e47f61-82bc-8f81-4c15-00d3c0d167a4@frontier.com>

Message-ID:

<CY1PR0301MB160986AC5C5C73566FE49E02B8F20@CY1PR0301MB1609.namprd03.prod.outlook.com>

The AR-3 really is a usable receiver, especially when paired with one of the Heathkit Q multipliers. Unlike the entry level Hallicrafters S-38 it has a power transformer avoiding the hot chassis issue of those "AC/DC" sets. Shortly after I acquired one at a hamfest I saw another one with a beautifully constructed combination preselector and Q multiplier in a matching cabinet. I would have purchased the pair up for the sheer beauty of the workmanship but I was one person too far back in line.

For the first week of my novice experience I used a Hallicrafters SX-62 which had a lot of impressive features but no band spread. I found that the only way I could use the crystal filter on the 40 meter novice segment (which occupies maybe 1/8" of that big dial) was to leave the lid open so I could fine tune by moving my hand near the oscillator gang of the tuning capacitor. As a 14 year old novice I was willing to try many things to work DX :) After one week a local ham loaned me a SX-101 to use and that made a huge difference in my operating results. I do have a couple of restored SX-62 series receivers now which look beautiful and are

fun to tune but neither is paired with a transmitter. It is definitely easier to tune a CW signal with the AR-3 compared to the SX-62,

Rodger WQ9E

From wa9jml at frontier.com Sat Sep 17 19:57:57 2016

From: wa9jml at frontier.com (Steve Berg)

Date: Sat, 17 Sep 2016 18:57:57 -0500

Subject: [BoatAnchors] Heath AR-3

In-Reply-To:

<CY1PR0301MB160986AC5C5C73566FE49E02B8F20@CY1PR0301MB1609.namprd03.prod.outlook.com>

References: <A8821C7A-E9E8-48C9-B1C1-19EE0392EF35@icloud.com>

<0007929004D74CFBBE66025BDA3B3D90@Lenovo>

<12e47f61-82bc-8f81-4c15-00d3c0d167a4@frontier.com>

<CY1PR0301MB160986AC5C5C73566FE49E02B8F20@CY1PR0301MB1609.namprd03.prod.outlook.com>

Message-ID: <84a582f8-3833-7257-c218-7075ed8e860c@frontier.com>

The BC-455 was pretty wide selectivity wise, and I never found one of the surplus audio filters for it. I did put the first IF amplifier stage into a regenerative mode, and that helped a lot. The Knight R-100A that I got next was a much better receiver. Then the NC-155, and finally my first HRO-50T1!

Steve WA9JML

From rbsingl at ilstu.edu Sat Sep 17 20:30:02 2016

From: rbsingl at ilstu.edu (Singley, Rodger)

Date: Sun, 18 Sep 2016 00:30:02 +0000

Subject: [BoatAnchors] Heath AR-3

In-Reply-To: <84a582f8-3833-7257-c218-7075ed8e860c@frontier.com>

References: <A8821C7A-E9E8-48C9-B1C1-19EE0392EF35@icloud.com>

<0007929004D74CFBBE66025BDA3B3D90@Lenovo>

<12e47f61-82bc-8f81-4c15-00d3c0d167a4@frontier.com>

<CY1PR0301MB160986AC5C5C73566FE49E02B8F20@CY1PR0301MB1609.namprd03.prod.outlook.com>

<84a582f8-3833-7257-c218-7075ed8e860c@frontier.com>

Message-ID:

<CY1PR0301MB1609A9F6F2605C2E82265679B8F50@CY1PR0301MB1609.namprd03.prod.outlook.com>

At the Peoria hamfest today someone got a very good deal on a HRO-50T1 with the 4 standard coils and a NC-183, \$125 for the pair. I have both so I passed on them hoping they went to a deserving owner and the buyer doesn't just flip them. I did pick up a Ten Tec Argonaut 2 from the same seller.

I briefly used the earlier HRO-50 set up with my Ranger/Desk KW station as shown in the Johnson ad but I found that there were many times the selectivity wasn't quite sufficient when I was running the regional AM net. I switched to a HRO-50T1 and that worked much better under tough conditions but then I found the SX-88 I had been looking for and that is now the receiving part of that setup and it does very well under all conditions.

Rodger WQ9E

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of Steve Berg via BoatAnchors

Sent: Saturday, September 17, 2016 6:58 PM

To: boatanchors at theporch.com

Subject: Re: [BoatAnchors] Heath AR-3

The BC-455 was pretty wide selectivity wise, and I never found one of the surplus audio filters for it. I did put the first IF amplifier stage into a regenerative mode, and that helped a lot. The Knight R-100A that I got next was a much better receiver. Then the NC-155, and finally my first HRO-50T1!

Steve WA9JML

From gsantacana at gmail.com Sat Sep 17 20:23:06 2016

From: gsantacana at gmail.com (Guido Santacana)

Date: Sat, 17 Sep 2016 20:23:06 -0400

Subject: [BoatAnchors] HQ145 with Supersize Telechron

Message-ID: <CA01yix1HxTq3GDXYQY1fQwW6a0p6z0=8GvdR8HNrS7ynHGVbYg@mail.gmail.com>

Gentlemen,

Maybe some of you already saw it. I do an epay exploration regularly. This time I found one HQ145 with the biggest clock you have ever seen. If you go there just search for HQ-145 and it will come up. I have seen voltmeters, current meters, and quartz clocks in place of the Telechron but this one is really something to behold.

73s

Guido

Guido Santacana KP4FAR

From rbsingl at ilstu.edu Sun Sep 18 12:10:42 2016
From: rbsingl at ilstu.edu (Singley, Rodger)
Date: Sun, 18 Sep 2016 16:10:42 +0000
Subject: [BoatAnchors] HQ145 with Supersize Telechron
In-Reply-To: <CA01yix1HxTq3GDXYQY1fQwW6a0p6z0=8GvdR8HNrS7ynHGVbYg@mail.gmail.com>
References: <CA01yix1HxTq3GDXYQY1fQwW6a0p6z0=8GvdR8HNrS7ynHGVbYg@mail.gmail.com>
Message-ID:
<CY1PR0301MB16097AAE1040124E5D8DBF19B8F50@CY1PR0301MB1609.namprd03.prod.outlook.com>

Guido,

Perhaps the owner was inspired by the Bond film Goldfinger and felt the plain HQ-145 needed a little gold to dress it up. It does look pretty hideous.

The worst I have seen so far was a SX-28 at a hamfest with what appeared to be two very large wheels with chrome hubs and large black plastic tires from a child's Tonka truck superglued over another set of knobs to create new tuning knobs. The diameter was so great that they covered much of the dial windows and only "fit" because the other knobs they were glued to held them far enough out from the panel to clear the other knobs. The panel was far from pristine and the price tag read untested, as is, \$550.00 firm price. It took great willpower but I managed to pass up that purchase opportunity.

Rodger WQ9E

From ddillman at igc.org Sun Sep 18 21:29:39 2016
From: ddillman at igc.org (Richard Dillman)
Date: Sun, 18 Sep 2016 18:29:39 -0700 (GMT-07:00)
Subject: [BoatAnchors] Cut Over to KPH Frequencies Postponed
Message-ID: <30168578.1474248579515.JavaMail.wam@mswamui-bichon.atl.sa.earthlink.net>

CUT OVER TO KPH POSTPONED - The MRHS Transmitter department has asked for extra time to switch the transmitters back to KPH frequencies, re-tune the antennas and confirm that all is working as it should. So we won't be cutting over to KPH

frequencies on 24 September as previously announced. Stay tuned here and also watch the MRHS Web site for updated information.

RD

=====
Richard Dillman
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From knjhanlon at msn.com Mon Sep 19 13:05:58 2016
From: knjhanlon at msn.com (JAMES HANLON)
Date: Mon, 19 Sep 2016 17:05:58 +0000
Subject: [BoatAnchors] Heath AR-3
In-Reply-To: <12e47f61-82bc-8f81-4c15-00d3c0d167a4@frontier.com>
References: <A8821C7A-E9E8-48C9-B1C1-19EE0392EF35@icloud.com>
<0007929004D74CFBBE66025BDA3B3D90@Lenovo>,
<12e47f61-82bc-8f81-4c15-00d3c0d167a4@frontier.com>
Message-ID:
<BLUPR20MB0097A2737542664F7D406C5CA0F40@BLUPR20MB0097.namprd20.prod.outlook.com>

Steve,

When you get your command sets running, contact either me or Mark, K3MSB, for a two-way Command Set QSO. We both have full, Command Set stations on 80 and 40, and we had two, CS to CS QSOs on the Classic Exchange on Sunday, 9/11.

For you folks who would like better selectivity with a Command Set receiver, certainly an audio filter like an FL-5 or FL-8 would be a good way to go. Another alternative would be to add a BC-453 Command Set as a "Q-5er" to your BC-454 or BC-455. The BC453 does not, by itself, tune to the IF frequency of the 454 and 455, but you can turn the second IF stage of the high frequency receivers into a converter stage and pull the BFO frequency down below the IF frequency - I do it 500 kHz lower - and then inject the output of the second IF/converter into the input of the BC-453. You need to replace the second IF transformer plate winding with a simple, 33K resistor. The BC-453 can be tuned around the resulting, 500 KHz If frequency by at least +/- 25 kHz, so it becomes a nice, slow-tuning "bandspread" for the HF receiver as well. And you get a triple-conversion Command Set Receiver for your trouble!

Details may be found in "On the Air With the Command Set Triplets," Electric Radio Magazine #74, June 1995, page 4 and following. I'll gladly send a copy of the article to anyone who is interested.

Jim, W8KGI

From: Steve Berg <wa9jml at frontier.com>
Sent: Saturday, September 17, 2016 2:18 PM
To: boatanchors at theporch.com
Subject: Re: [BoatAnchors] Heath AR-3

I have never seen an AR-3. But after building and trying to get a Heath GR-91 to actually work, I struck the flag and bought a BC-455 Command Set Receiver from Alco Electronics. It was still going strong 25 years later when I loaned it out, never to have it returned. Luckily, I have since obtained another BC-455 and two BC-454 80 meter receivers, and an 80 meter Command Set Transmitter. I plan to get them all on the air once retirement actually hits.

Steve WA9JML

From gsantacana at gmail.com Sun Sep 18 19:50:28 2016
From: gsantacana at gmail.com (Guido Santacana)
Date: Sun, 18 Sep 2016 19:50:28 -0400
Subject: [BoatAnchors] HQ145 with Supersize Telechron
In-Reply-To:
<CY1PR0301MB16097AAE1040124E5D8DBF19B8F50@CY1PR0301MB1609.namprd03.prod.outlook.com>
References: <CA01yix1HxTq3GDXYQY1fQww6a0p6z0=8GvdR8HNrS7ynHGVbYg@mail.gmail.com>

<CY1PR0301MB16097AAE1040124E5D8DBF19B8F50@CY1PR0301MB1609.namprd03.prod.outlook.com>
Message-ID: <CA01yix1EngKvibZ7SLxTy-ccBVtvvap=z_y=6DoeUNdfX5Jxag@mail.gmail.com>

Rodger,

At least the clock looks like a Telechron and maybe you are right and they found Goldfinger's Hammarlund! I don't want to see how they modified the front panel to mount it. My HQ180A had a DC voltmeter mounted where the clock goes. It has a proper 24hr Telechron now.

My worst condition BA ever was a National NC240D rescued from a chicked coop where it had been kept and abandoned for years. I took pity of the

poor thing. It was also the first NC240D I ever saw. I scraped all the you know what that I could out of the cabinet and took it home with a friend inside a box on the back of his VW van. The only place where it could go. As you can imagine, the condition required a high pressure hose wash of cabinet and chassis upper and underside. Afterward it could be handled so I removed the cabinet and knobs. Another chassis/cabinet wash was required this time scrubbing with detergent. The cabinet needed stripping and painting. The chassis was left in the hot sun for many days. I found that the crystal filter unit had been replaced with a 455KHz IF transformer and an extra miniature tube was added. Moreover, a former owner had replaced all paper caps with disc ceramics so I only replaced the electrolytics. I decided to just turn it on and see what happened without the rectifier. No smoke and filaments lighted up. The rectifier was replaced and no smoke either. Later on a friend provided a manual, a proper transformer was added for the speaker, the set was connected to an antenna and miraculously it worked. Later on I obtained the crystal filter unit and restored the cabinet. It looked and worked good for years until I traded it for a Heath receiver. This was almost 35 years ago and I wish that I had a photo of the radio in the chicken coop. I wonder if it is still around. An example of a good old US manufactured radio capable of a lot of use and abuse and after some TLC, back to work.

Best 73s

Guido

Guido Santacana KP4FAR

>
>
>

From gumbear at pacbell.net Mon Sep 19 23:05:12 2016

From: gumbear at pacbell.net (Arden Allen)

Date: Mon, 19 Sep 2016 20:05:12 -0700

Subject: [BoatAnchors] [ARC5] Mica Capacitor

In-Reply-To: <98038ffb-8378-789a-fb56-e1caaf577a85@ix.netcom.com>

References:

<157f97.6d71ba22.4510bdb7@cs.com><225C20E2102D48FDB9D95D2FCC4247FA@Lenovo><d00b998f-9dfa-4271-e531-

e303c51c630b@ix.netcom.com><CAFd0J70PAHJUuK2BmcMjiFT36nbSvYqc0fMYMZL8r7MewRy4qA@mail.gmail.com>

<98038ffb-8378-789a-fb56-e1caaf577a85@ix.netcom.com>

Message-ID: <AAD5B8629C11494BB22824E1A9893843@Lenovo>

> I think these use glass as the dielectric. Meant to provide similar characteristics to mica. One can find ads for them in the old electronic

trade magazines. There may be spec sheets for them available.

I wouldn't compare glass dielectric to mica because glass is a mixed bag like ceramics are. Mica is crystalline while glass is an amorphous melt that could contain anything found in your kitchen sink. So no doubt Corning developed a glass formula with the right ingredients for stability and low loss. Playing Donald Trump the Chemist, probably pretty pure silicon with just the right spices added. Oh, yeah, they would be the best at keeping out moisture.

Arden Allen
KB6NAX

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?Immanuel Kant

From gumbear at pacbell.net Mon Sep 19 23:15:36 2016

From: gumbear at pacbell.net (Arden Allen)

Date: Mon, 19 Sep 2016 20:15:36 -0700

Subject: [BoatAnchors] [ARC5] Mica Capacitor

In-Reply-To: <6cc21b6f-760b-6cd3-5093-63a1794cd971@ix.netcom.com>

References:

<157f97.6d71ba22.4510bdb7@cs.com><225C20E2102D48FDB9D95D2FCC4247FA@Lenovo><d00b998f-9dfa-4271-e531-

e303c51c630b@ix.netcom.com><CAFd0J70PAHJUuK2BmcMjiFT36nbSvYqc0fMYMZL8r7MewRy4qA@mail.gmail.com><98038ffb-8378-789a-fb56-e1caaf577a85@ix.netcom.com>

<6cc21b6f-760b-6cd3-5093-63a1794cd971@ix.netcom.com>

Message-ID: <AF7EFF3530CB4F05B36BD6669F17B8C1@Lenovo>

> http://www.radiant.su/files/images/AVX_RF/glass.pdf

Here's the article on glass cap performance characteristics referred to in the above .pdf:

https://www.element14.com/community/servlet/JiveServlet/downloadBody/27998-102-1-77184/perform_gl.pdf

Arden Allen
KB6NAX

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?Immanuel Kant

From arc5 at ix.netcom.com Tue Sep 20 11:59:00 2016
From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 20 Sep 2016 10:59:00 -0500
Subject: [BoatAnchors] Really Spooky Signal on 20 Meters.
Message-ID: <4AD748CB4DD24E278EA453D0DF6C6F59@DaddyPC>

OK, this is really weird. For weeks, the 20-meter phone band at my location has had this wide-band pulsing noise. Ran from about 14.240-14.330 MC 24/7. It sounded "near field," so I finally broke-out my portable HF direction finder and started hunting. I walked out to the end of my driveway and got a good signal, bearing East of my location. So I went about a block to a local park and still bearing East. So I put the rig in the truck and drove East a mile. No signal. So I moved back half the distance to the house. Nothing. Half-way again. Nothing. In short, the signal, after being around for weeks, suddenly disappeared exactly when I started to hunt it. It has not come back. I find this strange and makes me a little paranoid.

Here's the noise:
<https://goo.gl/photos/PooYaAAnv1UG8MpC9>
Any ideas??

From gumbear at pacbell.net Tue Sep 20 17:58:46 2016
From: gumbear at pacbell.net (Arden Allen)
Date: Tue, 20 Sep 2016 14:58:46 -0700
Subject: [BoatAnchors] Really Spooky Signal on 20 Meters.
In-Reply-To: <4AD748CB4DD24E278EA453D0DF6C6F59@DaddyPC>
References: <4AD748CB4DD24E278EA453D0DF6C6F59@DaddyPC>
Message-ID: <E2A948ED92CE4FA791AFA8AEDD6728CA@Lenovo>

> OK, this is really weird. For weeks, the 20-meter phone band at my location has had this wide-band pulsing noise. Ran from about 14.240-14.330 MC 24/7.

There is an industrial-scientific band right next to 20 meters where this glut of new technology is supposed to dump its garbage too. But what the heck, no enforcement, throw your garbage on the street!

Arden Allen
KB6NAX

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?Immanuel Kant

From gumbear at pacbell.net Sun Sep 25 15:11:03 2016
From: gumbear at pacbell.net (Arden Allen)
Date: Sun, 25 Sep 2016 12:11:03 -0700
Subject: [BoatAnchors] Switch indexing assemblies
Message-ID: <ECAB700DDCA24F91BFE8FB7A3FC60584@Lenovo>

I have seven of these switch indexing assemblies, Centralab P-271, NOS, NIB. They hold up to six wafers and can be set for 2 to 11 positions. I would like \$3 each or \$15 for the lot +shipping.

Arden Allen
KB6NAX

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?Immanuel Kant

From gumbear at pacbell.net Sun Sep 25 15:39:02 2016
From: gumbear at pacbell.net (Arden Allen)
Date: Sun, 25 Sep 2016 12:39:02 -0700
Subject: [BoatAnchors] [ARC5] MFP - how to remove?
In-Reply-To: <fc4f1.69e35cee.4518a7e4@cs.com>
References: <fc4f1.69e35cee.4518a7e4@cs.com>
Message-ID: <132F7CE09FDA454FBA723664BF757D22@Lenovo>

> There is or was a solvent for MFP. But I've never had any of it. So I don't know how the MFP reacted to it. The only source I was able to find only took orders in 55 gallon lots. And it didn't mention whether using the stuff was hazardous or not.

> Although late war and later TM 11's often have a warning about removing it from terminals before attempting to repair (solder to) equipment, they don't say how to do it.....

Ancient MFP is very tough stuff. Like marine varnish it resists just about everything. Meaning any strong solvent, like MEK, would damage component materials as well. I suggest you give the equipment a good dusting and then a bath and leave the MFP as is. When soldering the MFP will burn away so use good ventilation and a fan nearby, the smoke is very irritating. Like Bob says use mechanical means to remove MFP from terminals and hardware. Besides, I like the golden appearance of MFP.

Arden Allen
KB6NAX

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?Immanuel Kant

From anchor at ec.rr.com Sun Sep 25 20:19:04 2016
From: anchor at ec.rr.com (Al Parker)
Date: Sun, 25 Sep 2016 20:19:04 -0400
Subject: [BoatAnchors] FPM-300 VOX/CW -help?
In-Reply-To: <1809e531-d740-41d6-4b67-f477c3a38812@ec.rr.com>
References: <1809e531-d740-41d6-4b67-f477c3a38812@ec.rr.com>
Message-ID: <47ca106f-c76c-6e10-6262-068cfdad34a3@ec.rr.com>

Hi folks,

I've had an FPM-300 for several mo.s, it's one of the later ones (not mk-II), and appears to have the late mods done by the factory. Works well on SSB so far.

The problem is that the VOX is not working, and thus no CW opn can be done. I've pulled the xcvr ctrl board, only one normal type electrolytic on it, which, tho' looking OK for ESR was replaced, with no affect (4.7uf at 10v). There are several more similar value caps on the board, but aren't normal electrolytics, they look to be dipped.

Adjusting the VOX pots on the board is non-productive. Without an extender board it's hard to do any tests while in operation, perhaps I'll make one, I've done that b4. I hope the 10-pin LM-370 is OK, all other functions from it seem to be. Works fine on PTT, and there is a sidetone when on CW, but no switching. The CW sidetone keys the VOX (when wkg right).

Any thoughts, etc., would be welcomed.
tnx, 73,

Al, W8UT

www.boatanchors.org
www.hammarlund.info

"There is nothing -- absolutely nothing -- half so much
worth doing as simply messing about in boats"
Ratty, to Mole

From k4pf at juno.com Sun Sep 25 21:01:03 2016
From: k4pf at juno.com (k4pf at juno.com)
Date: Mon, 26 Sep 2016 01:01:03 GMT
Subject: [BoatAnchors] FPM-300 VOX/CW -help?
Message-ID: <20160925.210103.20148.0@webmail04.vgs.unttd.com>

Al Parker wrote <snip>

>The problem is that the VOX is not working, and thus no CW opn can be
done. I've pulled the xcvr ctrl board, only one normal type
electrolytic on it, which, tho' looking OK for ESR was replaced, with no
affect (4.7uf at 10v). There are several more similar value caps on the
board, but aren't normal electrolytics, they look to be dipped. <snip>

Hi, Al

Thse "dipped" appearing caps with values like those of aluminum electrolytics
are probably tantalum. Your ESR meter will also work checking those.

I hate tantalums with a passion - they tend to fail as dead shorts,
when they decide to fail.

73,
Ed Knobloch

From anchor at ec.rr.com Mon Sep 26 10:53:54 2016
From: anchor at ec.rr.com (Al Parker)
Date: Mon, 26 Sep 2016 10:53:54 -0400
Subject: [BoatAnchors] FPM-300 VOX/CW -help?
In-Reply-To: <47ca106f-c76c-6e10-6262-068cfdad34a3@ec.rr.com>
References: <1809e531-d740-41d6-4b67-f477c3a38812@ec.rr.com>
<47ca106f-c76c-6e10-6262-068cfdad34a3@ec.rr.com>
Message-ID: <54646148-b9cf-29ea-a137-4785a9bab3ff@ec.rr.com>

Thanks to Scott & Ed,
for I.D.ing those dipped caps as tantalum. Interestingly, the parts

lists has them as electrolytic, but--they're not.

I've just removed the 3 that are in the VOX ckt, after ckg in-ckt with ohmmeter and ESR mtr, they still ck OK out of ckt. I'll ck actual capacitance. There are still several more on the board in other ckts, so far they all look good.

I'll continue ckg other component values in the VOX ckt, hope something turns up.

tnx agn,

73,

Al

On 9/25/2016 8:19 PM, Al Parker via BoatAnchors wrote:

> Hi folks,

<snip>

> The problem is that the VOX is not working, and thus no CW opn can
> be done. I've pulled the xcvr ctrl board, only one normal type
> electrolytic on it, which, tho' looking OK for ESR was replaced, with no
> affect (4.7uf at 10v). There are several more similar value caps on the
> board, but aren't normal electrolytics, they look to be dipped.

From k4wgd47 at gmail.com Tue Sep 27 00:15:39 2016

From: k4wgd47 at gmail.com (wg davis)

Date: Tue, 27 Sep 2016 00:15:39 -0400

Subject: [BoatAnchors] Power Transformer

Message-ID: <CAL+F86+Y=dMUgivYYUe5P9=yQe3uDwFkMsrk70snNhNJJe=MzTw@mail.gmail.com>

Hi Guys,

A buddy of mine has an Knight KN2590; he needs a Power Transformer..
Any ideas..

P.S. I think I need to send Money/Dues to BoatAnchors..

--

73 K4WGD

From gumbear at pacbell.net Tue Sep 27 13:45:10 2016

From: gumbear at pacbell.net (Arden Allen)

Date: Tue, 27 Sep 2016 10:45:10 -0700

Subject: [BoatAnchors] Power Transformer

In-Reply-To: <CAL+F86+Y=dMUgivYYUe5P9=yQe3uDwFkMsrk70snNhNJJe=MzTw@mail.gmail.com>

References: <CAL+F86+Y=dMUgivYYUe5P9=yQe3uDwFkMsrk70snNhNJJe=MzTw@mail.gmail.com>

Message-ID: <CF9AC450937949DD8A1B274099B82B16@Lenovo>

> A buddy of mine has an Knight KN2590; he needs a Power Transformer..
Any ideas..

You can get a copy of Sams CB-11 for \$22. That might give you the power

transformer info.

<https://www.samswebsite.com/en/photofact/details/index/id/91725>

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From spr at earthlink.net Tue Sep 27 01:39:59 2016
From: spr at earthlink.net (Scott Robinson)
Date: Mon, 26 Sep 2016 22:39:59 -0700
Subject: [BoatAnchors] FPM-300 VOX/CW -help?
In-Reply-To: <47ca106f-c76c-6e10-6262-068cfdad34a3@ec.rr.com>
References: <1809e531-d740-41d6-4b67-f477c3a38812@ec.rr.com>
<47ca106f-c76c-6e10-6262-068cfdad34a3@ec.rr.com>
Message-ID: <f2bff4d5-ff79-00c4-2bd9-d371867d271a@earthlink.net>

Dipped electrolytics may be tantalums, in which case the failure mode is
usually a dead short, easy to find with an ohmmeter.

Peace,

Scott

From arc5 at ix.netcom.com Tue Sep 27 21:45:50 2016
From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 27 Sep 2016 20:45:50 -0500
Subject: [BoatAnchors] ***JUNK MAIL*** RME-45 Receiver- Information?
Message-ID: <A190937C0D654899BCC5FF618BC76F94@DaddyPC>

I just acquired a very cool-looking RME-45 receiver
for a very affordable price.
This is the "late" -45 with the VR-150 and the calibrated
bandspread, not the 45B. I have the SAMS
and the Google-available information.
Here's some photos:
<https://goo.gl/photos/VUCFDvCcEWUKJsNb9>

Looking for more info:

1. What is the speaker impedance?
2. What is the pin-out of the octal socket on the left side of the chassis rear (not in the available information)? Does it need "muting" jumper?
3. Are the fixed capacitors in the IF transformers commonly bad?
4. Do the IF tuning capacitors have "press fit" collars that crack like those in TCS?
5. Any common failures like the AVC to B+ leaks in Nationals and TCS?
6. Anyone ever install a temp. compensation cap on the Osc section like is done in HROs?
7. Any other "hints and kinks?"

TNX OM DE Dave AB5S

From rbsingl at ilstu.edu Tue Sep 27 22:17:32 2016
From: rbsingl at ilstu.edu (Singley, Rodger)
Date: Wed, 28 Sep 2016 02:17:32 +0000
Subject: [BoatAnchors] RME-45 Receiver- Information?
Message-ID:
<CY1PR0301MB16099406AA1FF7E0FE223545B8CF0@CY1PR0301MB1609.namprd03.prod.outlook.com>

Very nice Dave.

I have a bunch of RME gear since it is pretty plentiful in this area (I live about 30 miles from the original RME factory site).

1. I believe it was 6 ohms for the voice coil across this receiver series even if a field coil type loudspeaker was specified. I am using an 8 ohm nominal speaker with both my 45 and 45B and it seems to work fine. Check to make sure whether your receiver was wired for a PM or field coil speaker as they sold it both ways.
2. I will have to look at one of mine later but I don't recall them having an octal socket on the rear; could this be a user modification?
3. I haven't run into any IF can capacitor problems in any of my RME receivers (spanning from the 9D through the 6900).

4. I can't remember about the IF tuning caps but again none have ever caused a problem in mine.

5. Once you replace all of the old capacitors it should be fine. Unlike some of the National receivers of that era and slightly later I don't find that many out of spec resistors in the RME receivers I have worked on.

6. Never tried to temperature compensate one. For CW they are stable enough for my taste but calibration of the RME-45 leaves something to be desired with its mechanical rather than electrical band spread.

7. hints and kinks:

a. A lot of RME receivers including the 45 era hide the line bypass caps directly on the power transformer terminals under a cover. They fail and char the transformer insulating paper so be sure to replace them.

b. I have found two of these where the small gear of the main tuning shaft was badly worn and I believe it was because some of them were set up at the factory with far too many teeth of anti-backlash engagement in the split gears thus putting excessive pressure with resulting excessive wear on the gear train. My understanding is generally two teeth offset in these anti-backlash gears is sufficient but the first one I repaired had 4 or 5 for each split gear and I had to shim the main shaft slightly so that the next gear engaged a non-worn portion. If you see any signs of excessive wear I would check for this issue.

RME had some mechanical shortcomings and their later ball reduction tuning drives (found on the 4300, 4350, and matching VHF converter) are also quite problematic.

c. You will probably find that you won't be able to get the band spread calibration and the overall band calibration simultaneously correct and according to the early reviews of this receiver that was true when they came straight from the factory. That is a limitation of this single tuning capacitor system and in many ways I think the RME-99 (dual variable capacitors for band set and band spread) was the last really good RME receiver until the ham band only types were introduced (4300 and later). So don't drive yourself crazy with calibration.

d. Loctal sockets often have one or more contacts that don't work well. A good cleaner usually takes care of the issue but sometimes that fails. The good news is the contacts are easy to remove and replace in this style of socket and you will find some unused socket contacts in almost every receiver that uses a number of loctal tubes. Also be very careful if the loctal has locked itself in place via corrosion of the locator pin. More than one person has severely cut themselves trying to remove one of these tubes bare handed. Use a tube puller, leather glove, or if necessary tap the locator pin from beneath the chassis.

e. Nothing else comes to mind now but I am sure there are things I have forgotten

since I went through my last RME-45. It is a good but not great receiver but in stock form it will work fine for both AM and CW work in addition to general broadcast and shortwave listening. Construction quality is similar to mid to low line Hallicrafters, a definite step down from National and the typical Hammarlund build. It works OK but it doesn't scream quality like some of the other receivers of the era. The matching preselector looks nice and will definitely improve image rejection. The VHF converter is not something you would want to use often but it is commonly available and if you add the matching preselector and speaker you might as well have the entire setup.

Good luck with it!

Rodger WQ9E

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of David Stinson via BoatAnchors

Sent: Tuesday, September 27, 2016 8:46 PM

To: milsurplus at mailman.qth.net; boatanchors at mailman.qth.net

Subject: [BoatAnchors] ***JUNK MAIL*** RME-45 Receiver- Information?

I just acquired a very cool-looking RME-45 receiver for a very affordable price. This is the "late" -45 with the VR-150 and the calibrated bandspread, not the 45B. I have the SAMS and the Google-available information.

Here's some photos:

<https://goo.gl/photos/VUCFDvCcEWUKJsNb9>

Looking for more info:

1. What is the speaker impedance?
2. What is the pin-out of the octal socket on the left side of the chassis rear (not in the available information)? Does it need "muting" jumper?
3. Are the fixed capacitors in the IF transformers commonly bad?
4. Do the IF tuning capacitors have "press fit" collars that crack like those in TCS?
5. Any common failures like the AVC to B+ leaks in Nationals and TCS?
6. Anyone ever install a temp. compensation cap on the Osc section like is done in HROs?

7. Any other "hints and kinks?"

TNX OM DE Dave AB5S

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From rbsingl at ilstu.edu Tue Sep 27 22:19:05 2016
From: rbsingl at ilstu.edu (Singley, Rodger)
Date: Wed, 28 Sep 2016 02:19:05 +0000
Subject: [BoatAnchors] [BoatAnchors RME-45 Receiver- Information?
Message-ID:
<CY1PR0301MB160932BA390A597DBD90AB69B8CF0@CY1PR0301MB1609.namprd03.prod.outlook.com>

And apologies to Jack and the list for forgetting to delete Dave's original message before sending. I remembered it the instant after hitting send which is an instant too late. Clearly it is time to end the day and go to sleep.

Rodger WQ9E

From 1oldlens1 at ix.netcom.com Tue Sep 27 22:33:51 2016
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Tue, 27 Sep 2016 19:33:51 -0700
Subject: [BoatAnchors] ***JUNK MAIL*** RME-45 Receiver- Information?
In-Reply-To: <A190937C0D654899BCC5FF618BC76F94@DaddyPC>
References: <A190937C0D654899BCC5FF618BC76F94@DaddyPC>
Message-ID: <22d8b894-52cf-9c5f-b8e5-cc3363fb2366@ix.netcom.com>

At least some of the information you want is at BAMA. See:
<http://bama.edebris.com/manuals/rme/>

There is also an annotated schematic by Glen Zook at:
<http://bama.edebris.com/manuals/rme/rme45annotated/>

A Sam's Photofact is at:
<http://bama.edebris.com/manuals/rme/rme45sams/>

Somewhat clearer schematic, parts list, badly scanned photos.

The connector is for the loudspeaker. The two bottom most pins are used. Its marked 6 ohms so it should take anything from 4 to 8 ohms. Usually communications receivers are not very critical of speaker impedance.

It does not need a muting jumper.
I can't answer for the IF transformers.

On 9/27/2016 6:45 PM, David Stinson via BoatAnchors wrote:

> I just acquired a very cool-looking RME-45 receiver
> for a very affordable price.
> This is the "late" -45 with the VR-150 and the calibrated
> bandspread, not the 45B. I have the SAMS
> and the Google-available information. Here's some photos:
> <https://goo.gl/photos/VUCFDvCcEWUKJsNb9>
>
> Looking for more info:
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> 1. What is the speaker impedance?
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> left side of the chassis rear (not in the available
> information)? Does it need "muting" jumper?
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>
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> like those in TCS?
>
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>
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> on the Osc section like is done in HROs?
>
> 7. Any other "hints and kinks?"
>
> TNX OM DE Dave AB5S
>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From 1oldlens1 at ix.netcom.com Tue Sep 27 22:37:52 2016
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)

Date: Tue, 27 Sep 2016 19:37:52 -0700
Subject: [BoatAnchors] ***JUNK MAIL*** RME-45 Receiver- Information?
In-Reply-To: <A190937C0D654899BCC5FF618BC76F94@DaddyPC>
References: <A190937C0D654899BCC5FF618BC76F94@DaddyPC>
Message-ID: <9c9343aa-0d25-2bd0-0cf6-3d90f7b8c4f8@ix.netcom.com>

Well, you will never see my reply because I forgot to delete all the junk at the bottom. So here it is all over again.

At least some of the information you want is at BAMA. See:
<http://bama.edebris.com/manuals/rme/>

There is also an annotated schematic by Glen Zook at:
<http://bama.edebris.com/manuals/rme/rme45annotated/>

A Sam's Photofact is at:
<http://bama.edebris.com/manuals/rme/rme45sams/>

Somewhat clearer schematic, parts list, badly scanned photos.

The connector is for the loudspeaker. The two bottom most pins are used. Its marked 6 ohms so it should take anything from 4 to 8 ohms. Usually communications receivers are not very critical of speaker impedance.

It does not need a muting jumper.

I can't answer for the IF transformers.

If it has paper caps in it they will probably need to be replaced. Both AVC and audio circuits tend to be very critical of leakage in caps. The receiver is old enough so it will probably have mostly paper caps with some electrolytics and some micas. The mica caps are usually OK the others should be replaced.

Don't know about the trimmers.

On 9/27/2016 6:45 PM, David Stinson via BoatAnchors wrote:

> I just acquired a very cool-looking RME-45 receiver
> for a very affordable price.
> This is the "late" -45 with the VR-150 and the calibrated
> bandspread, not the 45B. I have the SAMS
> and the Google-available information. Here's some photos:
> <https://goo.gl/photos/VUCFDvCcEWUKJsNb9>
>
> Looking for more info:
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> 1. What is the speaker impedance?
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> left side of the chassis rear (not in the available
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>
> 6. Anyone ever install a temp. compensation cap
> on the Osc section like is done in HROs?
>
> 7. Any other "hints and kinks?"
>
> TNX OM DE Dave AB5S

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From 1oldlens1 at ix.netcom.com Thu Sep 29 14:10:45 2016

From: 1oldlens1 at ix.netcom.com (Richard Knoppow)

Date: Thu, 29 Sep 2016 11:10:45 -0700

Subject: [BoatAnchors] RME-45 Receiver- Information?

In-Reply-To:

<CY1PR0301MB16099406AA1FF7E0FE223545B8CF0@CY1PR0301MB1609.namprd03.prod.outlook.com>

References:

<CY1PR0301MB16099406AA1FF7E0FE223545B8CF0@CY1PR0301MB1609.namprd03.prod.outlook.com>

Message-ID: <257e5aa0-7494-d1b0-8d94-655d7a9e0ba5@ix.netcom.com>

This is interesting information Roger. I have never had an RME receiver and know them mostly from their advertising and seeing used ones occasionally at swap meets. From early advertising (1930s) RME appears to be almost a cottage industry. It offered some custom work and would re-work existing receivers to upgrade them. Evidently they had a pretty good reputation. They also made pre-selectors and HF/VHF converters. The latter allowed receivers that did not go beyond about 18Mhz to work up to 30 or 40 Mhz with reasonable image rejection.

At some point RME was acquired by Electro-Voice and I suspect went down hill from there. EV probably expected more profit than the company could deliver. Of course, the bigger companies, Hammarlund, National, Hallicrafters, also got into trouble because the market had changed and all were merged into larger companies who had no idea of how to run them.

--

Richard Knoppow

1oldlens1 at ix.netcom.com
WB6KBL

From arc5 at ix.netcom.com Thu Sep 29 22:08:44 2016
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 29 Sep 2016 21:08:44 -0500
Subject: [BoatAnchors] Meissner Signal Shifter Deluxe
Message-ID: <2038A1A2CED7400F94DF85C5468F525E@DaddyPC>

Offering here first.
Have a very nice condition Messner Signal Shifter Deluxe.
It is unrestored. I have not fiddled with it.
Has 10-meter coil set. Photos at:

<https://goo.gl/photos/xtLepKzWkSnk5Cb7>

Heavily packed to survive UPS Ground shipping
(USPS prices are a joke). 33 lbs. 24-16-16.
Shipping should be between 25-35 depending in where.

\$65 plus shipping from 75098, via PayPal.

73 DE Dave AB5S

From arc5 at ix.netcom.com Fri Sep 30 04:37:09 2016
From: arc5 at ix.netcom.com (David Stinson)
Date: Fri, 30 Sep 2016 03:37:09 -0500
Subject: [BoatAnchors] Thanks RME-45 Receiver Information
Message-ID: <313B97F13ECB4829BACE4ECF1161C634@DaddyPC>

My thanks to everyone who provided such excellent information.
When this set makes it to the bench, this is going to be
a real "leg up" on getting the job done. Our people are the
best.

TNX OM ES 73 DE Dave AB5S